INVERTER POWER CBA

HOT CIRCUIT. BE CAREFUL.

AC601 AC CORD
AC INLET CN1601
F1601 8A/250V
8A 250V
R1601 1M /1/2W
R1608 1M /1/2W
SA1601 SURGE ABSORBER
C1602 1/300V
L1601 LINE FILTER
C1601 0.22 /300V
SA1603 SURGE ABSORBER
L1602 LINE FILTER
C1610 0.22 /300V
SA1602 SURGE ABSORBER
D1601 D10XB60-7000
C1608 0.01 /500V
C1609 0.01 /500V
R1602 8.2M/ 1/2W
C1605 470P /250V
C1604 1000P /250V
C1603 1000P /250V
BC1605 BEAD
BC1601 BEAD
BC1602 BEAD
BC1606 BEAD
C1607 1/630V
R1424 100
R1604 0.015 /2W
D1205 1N5399BE
D1207 1N5399BE
D1206 1N5399BE
D1208 1N5399BE
C1201 47/350V
R1217 820K
R1218 820K
R1219 820K
R1222B 1/2W
C1205 220P /2KV
BC1201 BEAD
T1201 POWER TRANS
C1208 560P /2KV
Q1203 2SK3757 (SWITCHING)
R1220 330
C1210 5600P /100V
R1222 1.8K
R1223 1K
C1209 1800P /100V
R1221 470K
D1209 18BSB -T52
D1210 HSS414BTA -E
C1211 6800P /100V
Q1204 2SC2120-O (SWITCHING)
IC1202 LTV817MCF (FEEDBACK)
R1206 100
R1207 3.3K
C1207 0.047 /100V
R1208 560
D1213 KIA431-AT/P (SHUNT REG.)
C1206 1000P /250V
D1211 HSS414BTA-E
R1224 3.9
C1212 3300P /100V
D1214 18BSB-T26
D1212 39BSB-T52
D1216 HSS414BTA -E
D1217 16BSB-T52
D1219 HSS414BTA-E
D1218 HSS414BTA-E
R1215 100
R1227 10K
R1225 16K
C1213 0.1
D1106 FR104-B
D1107 9V1BSC-T52
R1105 6.8K
R1106 27K
C1112 10/50V
D1101 S8150
L1101 22UH
C1103 1000/10V
C1104 100/10V
D1108 HSS414BTA-E
C1102 0.01
C1101 47/25V
D1110 3V9BSB-T52
D1102 BV2BSB-T52
Q1101 KTC3199-GR-AT/P (+3.3V REG.)
R1103 10
R1109 22
C1105 0.01
R1110 1.5K
R1104 270
D1109 KIA431 -AT/P
R1108 10K
D1103 HSS414BTA-E
D1104 HSS414BTA -E
R1107 3.3K
R1211 1K
R1212 4.3K
R1213 4.7K
RL1201 SDT-SS-105DM
R1214 WIRE
D1215 HSS414BTA-E
Q1202 2SA950-O (SWITCHING)
R1229 56/2W
R1226 4.7K
R1216 1K
C1611 1000P /250V
Q1201 KTC3199 -GR-AT/P (SWITCHING)
R1209 33K
R1210 220K

(CONTINUE INVERTER POWER 2/3)
AL+3.3V
AL+5V
POWER-RESET
P-ON-H2

(CONTINUE INVERTER POWER 3/3)
AL+3.3V
POWER-RESET

(CONTINUE INVERTER POWER 3/3)
+345V

(CONTINUE INVERTER POWER 2/3)
+345V
HOT+17V
POWER-CONTROL

R1401 825K
R1402 825K
R1403 619K
R1404 619K
R1431 825K
R1432 825K
R1433 619K
R1434 619K
R1425 825K
R1426 825K
R1427 619K
R1428 619K
C1407 1200P /100V
R1405 51.1K
R1439 2.2K
IC1401 UCC28060DR (SWITCHING CONTROL)
1.0 ZCDB
6.1 VSENSE
3.7 TSET
1.7 PHB
1.7 COMP
0 GND
1.3 VINAC
4.3 HVSEN
ZCDA 1.0
VREF 6.1
GDA 9.1
GND 0
VCC 17.2
GDB 0
CS 0
PWMCNTL 0.2
R1406 121K
R1409 5.62K
R1408 121K
C1404 2.7
C1413 1000P /100V
C1406 1000P /100V
R1407 2.74K
C1405 1200P
R1435 33.2K
C1414 1200P
R1429 21K
R1430 21K
C1403 0.22 /100V
R1436 4.7K
C1402 2.2
C1401 0.01 /100V
C1416 22P
L1604 LLEE0Z0KT001
BC1604 BEAD
BC1608 BEAD
C1613 330P /2KV
Q1602 2SK3561 (SWITCHING)
R1603 20K
D1605 27BSB-T52
D1615 1ZB27BB
C1415 22P
C1615 100P /2KV
D1604 30PFB60
D1602 4V7BSB-T52
R1606 4.7
C1612 150/400V
C1616 100P /2KV
D1606 30PFB60
L1603 LLEE0Z0KT001
BC1603 BEAD
BC1607 BEAD
C1614 330P /2KV
R1605 4.7
Q1601 2SK3561 (SWITCHING)
R1607 20K
D1603 27BSB-T52
D1613 1ZB27BB
D1607 4V7BSB-T52

HOT
COLD

INVERTER POWER CBA

HOT CIRCUIT. BE CAREFUL.

(TO JACK POWER CBA CN601) CN1501
+345V 1
NU 2
HOT-GND 3
HOT+22V 4

BC1501 BEAD
BC1502 BEAD

(CONTINUE INVERTER POWER 1/3)
+345V
HOT+17V
POWER-CONTROL

IC1702 TEA1611T (HIGH-VOLTAGE RESONIANT CONTROL)
1 GND
2 VCO
3 CSS
4 CT
5 OCP
6 GND
7 NU
8 SH
9 GH
10 VDD
20 VREF
19 SD
18 IRS
17 CF
16 IFS
15 RESET
14 VAUX
13 VDD
12 GL
11 GND

IC1704 LTV817MBF (FEEDBACK)
IC1705 LTV817MCF (ISOLATOR)
IC1703 LTV817MCF (ISOLATOR)

T1701 POWER TRANS

Q1701 2SK3561 (SWITCHING)
Q1702 2SK3561 (SWITCHING)
Q1703 2SA950-O (SWITCHING)
Q1704 KTC3199 -GR-AT/P (SWITCHING)
Q1401 2SC2120-O (+17V REG.)
Q1402 2SA950-O (SWITCHING)
Q1403 KTC3199 -GR-AT/P (SWITCHING P-ON-ON)
Q1404 KTC3199 -GR-AT/P (SWITCHING P-ON-ON)
Q1705 KTC3199 -GR-AT/P (SWITCHING P-ON-ON)
Q1706 KTA1267 -GR-AT/P (SWITCHING)
Q1707 KTC3199 -GR-AT/P (SWITCHING P-ON-ON)
Q1708 KTC3199 -GR-AT/P (SWITCHING)

D1720 KIA431-AT/P (SHUNT REG.)

HOT
COLD

CN1804 (TO LCD MODULE)
1 PANEL+24V
2 PANEL+24V
3 PANEL+24V
4 PANEL+24V
5 PANEL+24V
6 GND
7 GND
8 GND
9 GND
10 GND

CN1803 (TO LCD MODULE)
1 PANEL+24V
2 PANEL+24V
3 PANEL+24V
4 PANEL+24V
5 PANEL+24V
6 GND
7 GND
8 GND
9 GND
10 GND
11 PROTECT3
12 NU
13 BACKLIGHT-ADJ
14 BACKLIGHT-SW

(CONTINUE INVERTER POWER 1/3)
AL+3.3V
AL+5V
POWER-RESET
P-ON-H2

(TO JACK POWER CBA CN901) CN1801
1 GND
2 GND
3 PROTECT3
4 BACKLIGHT-SW
5 BACKLIGHT-ADJ
6 GND
7 POWER-RESET
8 P-ON-H2
9 P-ON-H1
10 AL+5V
11 AL+5V

CN1802 (TO JACK POWER CBA CN902)
23 AL+5V
22 AL+5V
21 P-ON-H1
20 P-ON-H2
19 POWER-RESET
18 GND
17 BACKLIGHT-ADJ
16 BACKLIGHT-SW
15 PROTECT3
14 GND
13 DVD-P-ON2
12 DVD-P-ON1
11 IREDCONTV
10 DISC-OUT
9 DISC-IN
8 DVD-SPDIF
7 GND
6 SUB-RXD
5 SUB-TXD
4 DVD-RESET
3 DVD-READY
2 PROTECT4
1 GND

(CONTINUE INVERTER POWER 3/3)
PROTECT4
DVD-READY
DVD-RESET
SUB-TXD
SUB-RXD
DVD-SPDIF
DISC-IN
DISC-OUT
IREDCONTV
DVD-P-ON1
DVD-P-ON2

INVERTER POWER CBA

HOT CIRCUIT. BE CAREFUL.

(CONTINUE INVERTER POWER 1/3) +345V

BC1503 BEAD
BC1504 BEAD
C1922 10/400V
C1920 3300P /1.6KV
R1908 100K /2W
R1909 100K /2W
R1911 470K
R1912 470K
R1913 470K
R1914 470K
D1902 1HB-A2
D1911 1HB-A2
BC1902 WIRE
C1921 220P /2KV
Q1901 2SK3798 (SWITCHING)
344.0 D -1.9 S 0.1 G
C1913 1000P /100V
R1901 100K
D1909 27BSB-T52
R1903 120
R1905 120
C1916 0.033 /100V
D1905 20BSB-T26
D1906 1SS133
D1910 1SS133
Q1902 2SC53440-AT (SWITCHING CONTROL)
1.9 0.5 0
C1915 0.039
R1904 2.2K
R1906 1.5K
D1903 5V6BSB-T52
R1916 4.7K
D1904 HSS414BTA-E
R1928 390
R1907 390
C1917 2200P /100V
C1919 2200P
R1915 100
IC1901 LTV817MCF (FEEDBACK)
22.9 0.5 4.7 3.6
R1923 27
R1924 3.3K
R1920 220
R1921 1K
R1922 1K
R1925 0
C1926 0.033 /100V
D1917 KIA431-AT/P (SHUNT REG.)
R1926 2K
R1910 1/2W
D1927 12BZ7BB
D1908 HSS414BTA-E
D1901 HSS414BTA-E
R1902 150
C1904 OPEN
D1907 39BSB-T52
D1918 27BSB-T26
T1901 POWER TRANS
JS1901
D1912 SB3150BH
D1920 SB390
D1915 SB390
D1921 SB390
D1919 SB390
C1923 2200/25V
C1924 4700/10V
D1916 12Z18BB
D1914 OPEN
R1934 1K
R1946 470
R1947 470
R1948 470
R1944 2.2K
R1943 22K
R1953 22K
R1941 1SS133
R1945 1K
D1951 HSS414BTA-E
R1941 15
Q1941 KTC3199 -GR-AT/P (FAN-LOCK DET)
R1942 1K
R1949 47K
Q1951 KTC3199 -GR-AT/P (FAN-LOCK DET)
0 0.7 0
R1952 1K
R1957 47K
R1951 22
CN1904 (TO FAN)
1 FAN-VCC
2 FAN-LOCK
12.6 12.6
D1922 FR201BD
D1923 FR201BD
C1907 0.1
Q1904 2SA1931 (SW+12V)
11.9
R1917 4.7K
R1918 1.2K
Q1905 KTC3199 -GR-AT/P (SWITCHING)
0.7
R1919 22K
R1932 47K
C1903 1000P
C1902 1000P
R1956 470
R1955 120
R1954 120
C1901 1000P
12.6 12.6
Q1906 2SA950-O (FAN CONTROL)
11.9
R1929 4.7K
R1930 2.2K
Q1907 KTC3199 -GR-AT/P (SWITCHING)
0.7
R1931 22K
R1933 47K
C1905 1000P
CN1902 (TO BD POWER CBA CN2402)
1 +12V
2 +10.5V
3 +10.5V
4 GND
5 GND
6 GND
7 IREDCONTV
8 AL+3.3V
9 DISC-OUT
10 DISC-IN
11 FAN-GND
12 FAN-POWER
(CONTINUE INVERTER POWER 1/3)
AL+3.3V
POWER-RESET
(CONTINUE INVERTER POWER 2/3)
PROTECT4
DVD-READY
DVD-RESET
SUB-TXD
SUB-RXD
DVD-SPDIF
DISC-IN
DISC-OUT
IREDCONTV
DVD-P-ON1
DVD-P-ON2
C1929 1000P
C1928 1000P
C1908 100P
C1909 100P
C1904 1000P
C1910 1000P
CN1901 (TO BD POWER CBA CN2401)
1 PROTECT4
2 DVD-P-ON1
3 DVD-P-ON2
4 GND
5 GND
6 +5V
7 +5V
8 GND
9 DVD-SPDIF
10 GND
11 SUB-RXD
12 SUB-TXD
13 DVD-RESET
14 DVD-READY
C1906 0.1
C1911 10P
HOT
COLD